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AMENDMENTS TO THE CLAIMS

Please amend the claims as follows, and cancel the claims marked as cancelled, without prejudice.

1-40. (Canceled)

41. (Currently Amended) A system for receiving in vivo signals, the system comprising:
a receiver;
a plurality of antennas connected to the receiver, wherein the plurality of antennas are to receive an in vivo signal; and
a recorder, wherein the recorder is separated from the receiver and ~~connected to the receiver by at least one cable~~ wherein the receiver and the recorder are separately modifiable.

42. (Canceled)
43. (Canceled)
44. (Canceled)
45. (Canceled)
46. (Canceled)

47. (Previously Presented) The system according to claim 41, wherein the receiver comprises a switching unit.

48. (Previously Presented) The system according to claim 47, wherein the switching unit is to transfer to the recorder at least one signal received from at least one antenna out of the plurality of antennas.

49. (Previously Presented) The system according to claim 41, wherein the plurality of antennas comprises a radio frequency antenna.

50. (Previously Presented) The system according to claim 41, wherein the cable is to transfer a signal selected from a group consisting of: radio frequency signals, control data, and energy.

51. (Previously Presented) The system according to claim 41, comprising a cable connected to the receiver and the recorder, wherein the cable is to transfer energy to the receiver, radio frequency signals to the recorder, and control signals.

52. (Previously Presented) The system according to claim 41, wherein the receiver is able to adjust its operation according to the number of antennas of the plurality of antennas used.

53. (Currently Amended) The method according to claim 63, further comprising: ~~A method for receiving in vivo signals, the method comprising:~~
receiving signals by a plurality of antennas;
selecting a signal from the plurality of antennas;
amplifying the signal; and.
routing the selected signal to a recorder.

54. (Cancelled)

55. (Previously Presented) The method according to claim 53, wherein the signals are pre-amplified prior to said routing.

56. (Previously Presented) The method according to claim 53, wherein the selecting and the amplifying is performed in a unit separate from a recorder.

57. (Cancelled)

58. (Previously Presented) The method according to claim 53, wherein selecting a signal comprises selecting the strongest signal from the plurality of antennas.

59. (New) The system according to claim 41 wherein said plurality of antennas are arranged in a pattern selected from the group consisting of: a centralized pattern and a circular pattern.

60. (New) The system according to claim 41, wherein each of the receiver and the recorder is separately replaceable.

61. (New) The system according to claim 41, wherein the recorder is to detect the presence or absence of the receiver.

62. (New) The system according to claim 41, wherein the recorder is to automatically identify the type of the receivers.

63. (New) A method for adjusting operation of an in vivo sensing system, the method comprising:
detecting the presence of at least one antenna connected to a receiver;
identifying the type of the at least one connected antenna; and
automatically adjusting operation of a receiver according to the identified type of antenna.

64. (New) The method according to claim 63 further comprising:
detecting the arrangement of the at least one connected antenna, wherein the adjusting operation of the receiver is performed according to the identified arrangement.

65. (New) The method according to claim 63 further comprising:
detecting the number of antennas connected to a receiver; and
automatically adjusting operation of the receiver according to the number of antennas identified.

66. (New) A method for adjusting operation of an in vivo sensing system, the method comprising:
detecting the presence of a receiver connected to a recorder;
identifying the type of the receiver; and
automatically adjusting operation of the recorder according to the type of receiver identified.

67. (New) The method according to claim 66 wherein adjusting the operation of the recorder is selected from the group consisting of of: not recording data, recording data indicating a receiver is not connected, and stopping to record data.